



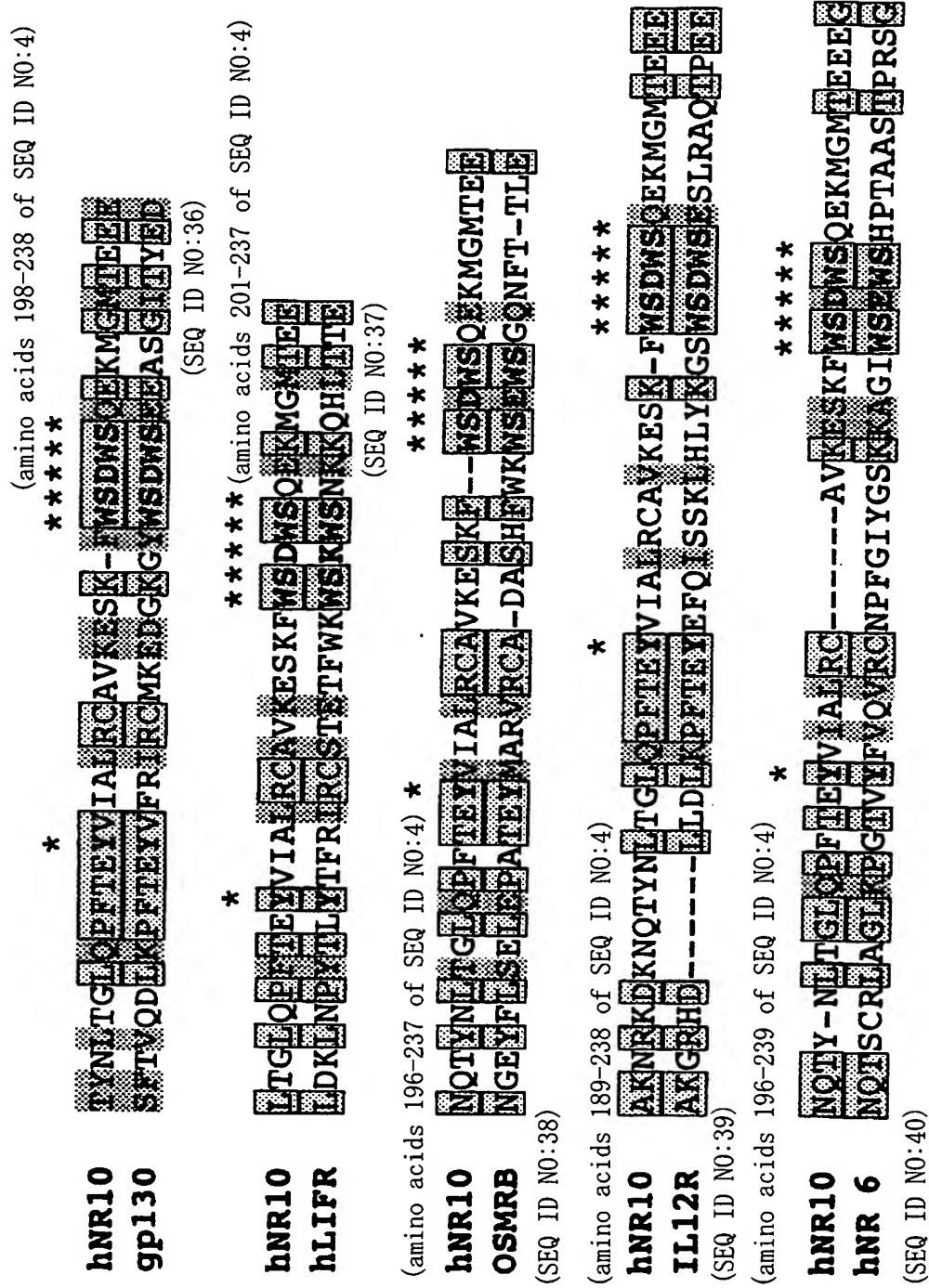
Figure 1

1 ttgggtggttcattggtgatgttctatatctgtgtaagtaccaattgttcccaggcacatat
61 ggaagtctgttaataaaaaatgatataattttaaaaatttgatttagagtgttactagttcta
121 aaaatgtaaaagtacactaggtagtgaagaggaaaaatgggaggataaacgtgtggctccca
181 ttccagtttacgattgtctctgtcttgtagatggaagtcaacttcgctaagaaccgtaag
MetGluValAsnPheAlaLysAsnArgLys
241 gataaaaaccacacgtacaacctcacggggctgcaacctctttacagaatatgtcatagct
AspLysAsnGlnThrTyrAsnLeuThrGlyLeuGlnProXxxThrGluTyrValIleAla
301 ctgcgatgtgcgggtcaaggagtcacaaagttctggagtgactggagccaagaaaaaatggga
LeuArgCysAlaValLysGluSerLysPheTrpSerAspTrpSerGlnGluLysMetGly
361 atgactgaggaagaaagcaagctacttccctgcgattcccgtcctgtctgctctgggtgtan
MetThrGluGluGluXxxLysLeuLeuProAlaIlePro (SEQ ID NO:35)
421 ggctgctctgcgctaaaacttgggtgggtgtctgcaccacgg (SEQ ID NO:34)



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Figure 2





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Figure 3

(SEQ ID NO:1)

1 CGCTTATAAATGAATGTGTGCTTAGGAACACCAGACAGCACTCCAGCACTCTGCTTGGGG
61 GGCATTTCGAAACAGCAAAATCACTCATAAAAGGCAAAAAATTGCAAAAAAATAGTAATA
121 ACCAGCATGGTACTAAATAGACCATGAAAAGACATGTGTGTGCAGTATGAAAATTGAGAC
181 AGGAAGGCAGAGTGTCTGCTTCCACCTCAGCTGGGAATGTGCATCAGGCAACTCAAG
241 TTTTTCACCACGGCATGTGTCTGTGAATGTCCGCAAAACATTTTAACAATAATGCAATCC
301 ATTTCCCAGCATAAGTGGGTAAGTGCCACTTTGACTTGGGCTGGGCTTAAAGCACAAGA
361 AAAGCTCGCAGACAATCAGAGTGGAAACACTCCACATCTTAGTGTGGATAAATTAAAGT
421 CCAGATTGTTCTTCTGTCTGACTTGTGCTGTGGGAGGTGGAGTTGCCTTTGATGCAAA
481 TCCTTTGAGCCAGCAGAACATCTGTGGAACATCCCCTGATACATGAAGCTCTCTCCCCAG

(SEQ ID NO:2) MetLysLeuSerProGln

541 CCTTCATGTGTTAACCTGGGGATGATGTGGACCTGGGCACTGTGGATGCTCCCTCACTC
ProSerCysValAsnLeuGlyMetMetTrpThrTrpAlaLeuTrpMetLeuProSerLeu
601 TGCAAAATTCAGCCTGGCAGCTCTGCCAGCTAAGCCTGAGAACATTTCTGTGTCTACTAC
CysLysPheSerLeuAlaAlaLeuProAlaLysProGluAsnIleSerCysValTyrTyr
661 TATAGGAAAAATTTAACCTGCACTTGGAGTCCAGGAAAGGAAACCAGTTATACCCAGTAC
TyrArgLysAsnLeuThrCysThrTrpSerProGlyLysGluThrSerTyrThrGlnTyr
721 ACAGTTAAGAGAACTTACGCTTTCGGAGAAAAACATGATAATTGTACAACCAATAGTTCT
ThrValLysArgThrTyrAlaPheGlyGluLysHisAspAsnCysThrThrAsnSerSer
781 ACAAGTGAATTCGTGCTTCGTGCTCTTTTTTCTTCCAAGAATAACGATCCAGATAAT
ThrSerGluAsnArgAlaSerCysSerPhePheLeuProArgIleThrIleProAspAsn
841 TATACCATTGAGGTGGAAGCTGAAAATGGAGATGGTGTAAATTAAATCTCATATGACATAC
TyrThrIleGluValGluAlaGluAsnGlyAspGlyValIleLysSerHisMetThrTyr
901 TGGAGATTAGAGAACATAGCGAAACTGAACCACCTAAGATTTTCCGTGTGAAACCAGTT
TrpArgLeuGluAsnIleAlaLysThrGluProProLysIlePheArgValLysProVal
961 TTGGGCATCAAACGAATGATTCAAATGAATGGATAAAGCCTGAGTTGGCGCTGTTTCA
LeuGlyIleLysArgMetIleGlnIleGluTrpIleLysProGluLeuAlaProValSer
1021 TCTGATTTAAATACACACTTCGATTCAGGACAGTCAACAGTACCAGCTGGATGGAAGTC
SerAspLeuLysTyrThrLeuArgPheArgThrValAsnSerThrSerTrpMetGluVal
1081 AACTTCGCTAAGAACCCTAAGGATAAAACCAAACGTACAACCTCACGGGGCTGCAGCCT
AsnPheAlaLysAsnArgLysAspLysAsnGlnThrTyrAsnLeuThrGlyLeuGlnPro
1141 TTTACAGAATATGTCATAGCTCTGCGATGTGCGGTCAAGGAGTCAAAGTTCTGGAGTGAC
PheThrGluTyrValIleAlaLeuArgCysAlaValLysGluSerLysPheTrpSerAsp



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Figure 4

(SEQ ID NO:1)

1201 TGGAGCCAAGAAAAAATGGGAATGACTGAGGAAGAAGCTCCATGTGGCCTGGAAGTGTGG

(SEQ ID NO:2)

TrpSerGlnGluLysMetGlyMetThrGluGluGluAlaProCysGlyLeuGluLeuTrp

1261 AGAGTCCTGAAACCAGCTGAGGCGGATGGAAGAAGCCAGTGGGTTGTTATGGAAGAAG

ArgValLeuLysProAlaGluAlaAspGlyArgArgProValArgLeuLeuTrpLysLys

1321 GCAAGAGGAGCCCCAGTCTTAGAGAAAACACTTGGCTACAACATATGGTACTATCCAGAA

AlaArgGlyAlaProValLeuGluLysThrLeuGlyTyrAsnIleTrpTyrTyrProGlu

1381 AGCAACACTAACCTCACAGAAACAATGAACACTACTAACCAGCAGCTTGAAGTGCATCTG

SerAsnThrAsnLeuThrGluThrMetAsnThrThrAsnGlnGlnLeuGluLeuHisLeu

1441 GGAGGCGAGAGCTTTTGGGTGTCTATGATTCTTATAATTCTCTTGGGAAGTCTCCAGTG

GlyGlyGluSerPheTrpValSerMetIleSerTyrAsnSerLeuGlyLysSerProVal

1501 GCCACCCTGAGGATTCCAGCTATTCAAGAAAAATCATTTTCAGTGCATTGAGGTCATGCAG

AlaThrLeuArgIleProAlaIleGlnGluLysSerPheGlnCysIleGluValMetGln

1561 GCCTGCGTTGCTGAGGACCAGCTAGTGGTGAAGTGGCAAAGCTCTGCTCTAGACGTGAAC

AlaCysValAlaGluAspGlnLeuValValLysTrpGlnSerSerAlaLeuAspValAsn

1621 ACTTGGATGATTGAATGGTTTCCGGATGTGGACTCAGAGCCCACCACCCTTTCTGGGAA

ThrTrpMetIleGluTrpPheProAspValAspSerGluProThrThrLeuSerTrpGlu

1681 TCTGTGTCTCAGGCCACGAACTGGACGATCCAGCAAGATAAATTAACCTTTCTGGTGC

SerValSerGlnAlaThrAsnTrpThrIleGlnGlnAspLysLeuLysProPheTrpCys

1741 TATAACATCTCTGTGTATCCAATGTTGCATGACAAAGTTGGCGAGCCATATCCATCCAG

TyrAsnIleSerValTyrProMetLeuHisAspLysValGlyGluProTyrSerIleGln

1801 GCTTATGCCAAAGAAGGCGTTCCATCAGAAGGTCTGAGACCAAGGTGGAGAACATTGGC

AlaTyrAlaLysGluGlyValProSerGluGlyProGluThrLysValGluAsnIleGly

1861 GTGAAGACGGTCACGATCACATGGAAGAGATTCCCAAGACTGAGAGAAAGGGTATCATC

ValLysThrValThrIleThrTrpLysGluIleProLysSerGluArgLysGlyIleIle

1921 TGCAACTACACCATCTTTACCAAGCTGAAGGTGGAAGGATTCTCCAAGACAGTCAAT

CysAsnTyrThrIlePheTyrGlnAlaGluGlyGlyLysGlyPheSerLysThrValAsn

1981 TCCAGCATCTTGAGTACGGCCTGGAGTCCCTGAAACGAAAGACCTCTTACATTGTTTACG

SerSerIleLeuGlnTyrGlyLeuGluSerLeuLysArgLysThrSerTyrIleValGln

2041 GTCATGGCCAACACCACTGCTGGGGGAACCAACGGGACCAGCATAAATTTCAAGACATTG

ValMetAlaAsnThrSerAlaGlyGlyThrAsnGlyThrSerIleAsnPheLysThrLeu

2101 TCATTGAGTGCTTTGAGATTATCCTCATAACTTCTCTGATTGGTGGAGGCCTTCTTATT

SerPheSerValPheGluIleIleLeuIleThrSerLeuIleGlyGlyGlyLeuLeuIle



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Figure 5

2161 CTCATTATCCTGACAGTGGCATATGGTCTCAAAAAACCCAACAAATTGACTCATCTGTGT
LeuIleIleLeuThrValAlaTyrGlyLeuLysLysProAsnLysLeuThrHisLeuCys
2221 TGGCCACCGTTCCCAACCCTGCTGAAAGTAGTATAGCCACATGGCATGGAGATGATTTC
TrpProThrValProAsnProAlaGluSerSerIleAlaThrTrpHisGlyAspAspPhe
2281 AAGGATAAGCTAAACCTGAAGGAGTCTGATGACTCTGTGAACACAGAAGACAGGATCTTA
LysAspLysLeuAsnLeuLysGluSerAspAspSerValAsnThrGluAspArgIleLeu
2341 AAACCATGTTCCACCCCAGTGACAAGTTGGTGATTGACAAGTTGGTGGTGAACCTTTGGG
LysProCysSerThrProSerAspLysLeuValIleAspLysLeuValValAsnPheGly
2401 AATGTTCTGCAAGAAATTTTCACAGATGAAGCCAGAACGGGTCAGGAAAAACAATTTAGG
AsnValLeuGlnGluIlePheThrAspGluAlaArgThrGlyGlnGluLysGlnPheArg
2461 AGGGGAAAAGAATGGGACTAGAATTCTGTCTTCCTGCCCAACTTCAATATAAGTGTGGAC
ArgGlyLysGluTrpAsp*** (SEQ ID NO:2)
2521 TAAAATGCGAGAAAGGTGTCCTGTGGTCTATGCAAATTAGAAAGGACATGCAGAGTTTTTC
2581 CAACTAGGAAGACTGAATCTGTGGCCCCAAGAGAACCATCTCCGAAGACTGGGTATGTGG
2641 TCTTTTCCACACATGGACCACCTACGGATGCAATCTGTAATGCATGTGCATGAGAAGTCT
2701 GTTATTAAGTAGAGTGTGAAAACATGGTTATGGTAATAGGAACAGCTTTTAAAATGCTTT
2761 TGTATTTGGGCCTTTCACACAAAAAAGCCATAATACCATTTTCATGTAATGCTATACTTC
2821 TATACTATTTTCATGTAATACTATACTTCTATACTATTTTCATGTAATACTATACTTCTA
2881 TACTATTTTCATGTAATACTATACTTCTATATTAAAGTTTTACCCACTCCAAAAAAGAA
2941 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA (SEQ ID NO:1)



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Figure 6

(SEQ ID NO:3)

1 CGCTTATAAATGAATGTGTGCTTAGGAACACCAGACAGCACTCCAGCACTCTGCTTGGGG
61 GGCATTTCGAAACAGCAAATCACTCATAAAAGGCAAAAATTGCAAAAAAATAGTAATA
121 ACCAGCATGGTACTAAATAGACCATGAAAAGACATGTGTGTGCAGTATGAAAATTGAGAC
181 AGGAAGGCAGAGTGTCTAGCTTGTCCACCTCAGCTGGGAATGTGCATCAGGCAACTCAAG
241 TTTTTCACCACGGCATGTGTCTGTGAATGTCCGCAAAACATTTTAAACAATAATGCAATCC
301 ATTTCCAGCATAAGTGGGTAAGTGCCACTTTGACTTGGGCTGGGCTTAAAAGCACAAGA
361 AAAGCTCGCAGACAATCAGAGTGGAAACACTCCACATCTTAGTGTGGATAAATTAAAGT
421 CCAGATTGTTCTTCTGTCTGACTTGTGTGTGGGAGGTGGAGTTGCCTTTGATGCAA
481 TCCTTTGAGCCAGCAGAACATCTGTGGAACATCCCCTGATACATGAAGCTCTCTCCCCAG

(SEQ ID NO:4) MetLysLeuSerProGln

541 CCTTCATGTGTTAACCTGGGGATGATGTGGACCTGGGCACTGTGGATGCTCCCTCACTC
ProSerCysValAsnLeuGlyMetMetTrpThrTrpAlaLeuTrpMetLeuProSerLeu
601 TGCAAATTCAGCCTGGCAGCTCTGCCAGCTAAGCCTGAGAACATTTCTGTGTCTACTAC
CysLysPheSerLeuAlaAlaLeuProAlaLysProGluAsnIleSerCysValTyrTyr
661 TATAGGAAAAATTTAACCTGCACTTGGAGTCCAGGAAAGGAAACCAGTTATACCCAGTAC
TyrArgLysAsnLeuThrCysThrTrpSerProGlyLysGluThrSerTyrThrGlnTyr
721 ACAGTTAAGAGAACTTACGCTTTCGGAGAAAAACATGATAATTGTACAACCAATAGTTCT
ThrValLysArgThrTyrAlaPheGlyGluLysHisAspAsnCysThrThrAsnSerSer
781 ACAAGTGAAAAATCGTGCTTCGTGCTCTTTTTCCTTCCAAGAATAACGATCCAGATAAT
ThrSerGluAsnArgAlaSerCysSerPhePheLeuProArgIleThrIleProAspAsn
841 TATACCATTGAGGTGGAAGCTGAAAATGGAGATGGTGTAAATTAAATCTCATATGACATAC
TyrThrIleGluValGluAlaGluAsnGlyAspGlyValIleLysSerHisMetThrTyr
901 TGGAGATTAGAGAACATAGCGAAACTGAACCACCTAAGATTTTCCGTGTGAAACCAGTT
TrpArgLeuGluAsnIleAlaLysThrGluProProLysIlePheArgValLysProVal
961 TTGGGCATCAAACGAATGATTCAAATTGAATGGATAAAGCCTGAGTTGGCGCCTGTTTCA
LeuGlyIleLysArgMetIleGlnIleGluTrpIleLysProGluLeuAlaProValSer
1021 TCTGATTTAAAATACACACTTCGATTTCAGGACAGTCAACAGTACCAGCTGGATGGAAGTC
SerAspLeuLysTyrThrLeuArgPheArgThrValAsnSerThrSerTrpMetGluVal
1081 AACTTCGCTAAGAACCGTAAGGATAAAACCAACCTACAACCTCACGGGGCTGCAGCCT
AsnPheAlaLysAsnArgLysAspLysAsnGlnThrTyrAsnLeuThrGlyLeuGlnPro
1141 TTTACAGAATATGTCATAGCTCTGCGATGTGCGGTCAAGGAGTCAAAGTTCTGGAGTGAC
PheThrGluTyrValIleAlaLeuArgCysAlaValLysGluSerLysPheTrpSerAsp



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Figure 7

1201 TGGAGCCAAGAAAAAATGGGAATGACTGAGGAAGAAGGCAAGCTACTCCCTGCGATTCCC
TrpSerGlnGluLysMetGlyMetThrGluGluGluGlyLysLeuLeuProAlaIlePro
1261 GTCCTGTCTACTCTGGTGTAGGGCTGCTTTGGGCTAGACTTGGTGGGGTTTGTCAACCACC
ValLeuSerThrLeuVal*** (SEQ ID NO:4)

1321 TGGTTGGGAATCATGGAATCTCATGACCCAGGGGCCCCCTGTACCATCGAGAGTGAGCC
1381 TGCACAACCTTTGTGCCCCAAAGGCAAAGGATCACATTTTAATACTCATGAGGTTCTTATA
1441 CTATACATGAAAGGGTATCATATCATTGTGTTTTGTTTTGTTTTGTTTTGAGATGGAGTC
1501 TTA CTCTGTCAACCAGGATGGAGTGCAGTGATGTGATCTCGGCTCACTGCCACCACCACC
1561 TCCCGAGTTCAAGCAATTCTTGTGCCTCAGCCTCCCAAGTAGCTGGGATTACAGGGGCCC
1621 ACGACCATGCCCCGGTTGATTTTTGTATTTTTAGTAGAGAAGGGATATCACCATGTTGGCT
1681 AGGCTAGTCTTGAACCTCTGACCTCAGGTAATCTGCCCACCTTGACCTCCCAAAGTGTG
1741 GGATTACAGGCGTGAGCCACTGTGCCCGCCAGTATCATATCATCTGAAGGTATCTGTG
1801 ATAAATTAAAGATACATATTGTGAATCCTGGAGCTACTACTCAAAAAATAAATAAGGTG
1861 TAACTAATAACAATTTAAAAAATCACATTTTAAATGACAGTGAGGAAAGGAAAGAGGCATG
1921 GATTGCAGGTTGATGGAGTGCTTACTAAGTGTCAGTATGGTCATTAAGAGCAACGCTTCC
1981 AGTCAGTGGCCTTGGCTTAAATCCCAAGCCAGGTGTCTTTGGGCAAGATACCTAAACTCT
2041 CAGTTCATTCTCAGCAGTTTCCTCGCATTTATCCCCCTTTCTATATTGAAATAGAATAT
2101 GTAAGTTGAGTTTATAGTAGTACCTATTTTTTAGTATTATTTTAAAGATTAAATGAAATA
2161 ATGTGTTTAGCCCATAGTAGATATTCCTAACTGCTAGACTTCTTATTCTTATTATTAT
2221 CCTCCTACTATTATTTTAAATCCTCCTTAAAGCACTATAAAATATGTAGAGTCACTCCCA
2281 TTTTGGAAATGAGGAACTGAGTTTCAGAGATGCTAATAAACAGCTCAGGGTCACTCAGC
2341 ATGTGTTACTTTTCTCAAGAGCCTTGCCAGAGTCTGACCCCTCAGTGGACGATCAATAAA
2401 TGTGTGATGAATGGAAAAAAAAAAAAAAAAAAAAAAAAAAAA (SEQ ID NO:3)



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Figure 13

(SEQ ID NO:16)

1 CCCCTGATACATGAAGCTCTCTCCCCAGCCTTCATGTGTAACTGGGGATGATGTGGAC

(SEQ ID NO:17) MetLysLeuSerProGlnProSerCysValAsnLeuGlyMetMetTrpThr

61 CTGGGCACTGTGGATGCTCCCTCACTCTGCAAATTCAGCCTGGCAGCTCTGCCAGCTAA
TrpAlaLeuTrpMetLeuProSerLeuCysLysPheSerLeuAlaAlaLeuProAlaLys

121 GCCTGAGAACATTTCTGTGTCTACTACTATAGGAAAAATTTAACCTGCACCTGGAGTCC
ProGluAsnIleSerCysValTyrTyrTyrArgLysAsnLeuThrCysThrTrpSerPro

181 AGGAAAGGAAACCAGTTATACCCAGTACACAGTTAAGAGAACTTACGCTTTTGGAGAAAA
GlyLysGluThrSerTyrThrGlnTyrThrValLysArgThrTyrAlaPheGlyGluLys

241 ACATGATAATTGTACAACCAATAGTTCTACAAGTGAAAAATCGTGCTTCGTGCTCTTTTTT
HisAspAsnCysThrThrAsnSerSerThrSerGluAsnArgAlaSerCysSerPhePhe

301 CCTTCCAAGAATAACGATCCAGATAATTATACCATTTAGAGGTGGAAGCTGAAAAATGGAGA
LeuProArgIleThrIleProAspAsnTyrThrIleGluValGluAlaGluAsnGlyAsp

361 TGGTGTAATTAAATCTCATATGACATACTGGAGATTAGAGAACATAGCGAAACTGAACC
GlyValIleLysSerHisMetThrTyrTrpArgLeuGluAsnIleAlaLysThrGluPro

421 ACCTAAGATTTTCCGTGTGAAACCAGTTTGGGCATCAAACGAATGATTCAAATTTGAATG
ProLysIlePheArgValLysProValLeuGlyIleLysArgMetIleGlnIleGluTrp

481 GATAAAGCCTGAGTTGGCGCCTGTTTCATCTGATTTAAAATACACACTTCGATTCAGGAC
IleLysProGluLeuAlaProValSerSerAspLeuLysTyrThrLeuArgPheArgThr

541 AGTCAACAGTACCAGCTGGATGGAAGTCAACTTCGCTAAGAACCGTAAGGATAAAAAACCA
ValAsnSerThrSerTrpMetGluValAsnPheAlaLysAsnArgLysAspLysAsnGln

601 AACGTACAACCTCACGGGGCTGCAGCCTTTTACAGAATATGTCATAGCTCTGCGATGTGC
ThrTyrAsnLeuThrGlyLeuGlnProPheThrGluTyrValIleAlaLeuArgCysAla

661 GGTCAAGGAGTCAAAGTTCTGGAGTGACTGGAGCCAAGAAAAATGGGAATGACTGAGGA
ValLysGluSerLysPheTrpSerAspTrpSerGlnGluLysMetGlyMetThrGluGlu

721 AGAAGCTCCATGTGGCCTGGAAGTGTGGAGAGTCTGAAACCAGCTGAGGCGGATGGAAG
GluAlaProCysGlyLeuGluLeuTrpArgValLeuLysProAlaGluAlaAspGlyArg

781 AAGGCCAGTGCAGTTGTTATGGAAGAAGCAAGAGGAGCCCCAGTCTAGAGAAAACACT
ArgProValArgLeuLeuTrpLysLysAlaArgGlyAlaProValLeuGluLysThrLeu

841 TGGCTACAACATATGGTACTATCCAGAAAGCAACACTAACCTCACAGAAACAATGAACAC
GlyTyrAsnIleTrpTyrTyrProGluSerAsnThrAsnLeuThrGluThrMetAsnThr

901 TACTAACCAGCAGCTTGAAGTGCATCTGGGAGGCGAGAGCTTTTGGGTGTCTATGATTTT
ThrAsnGlnGlnLeuGluLeuHisLeuGlyGlyGluSerPheTrpValSerMetIleSer

961 TTATAATTCTCTTGGGAAGTCTCCAGTGGCCACCCTGAGGATTCCAGCTATTCAAGAAAA
TyrAsnSerLeuGlyLysSerProValAlaThrLeuArgIleProAlaIleGlnGluLys

1021 ATCATTTTCAGTGCATTGAGGTCATGCAGGCCTGCGTTGCTGAGGACCAGCTAGTGGTGAA



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Figure 14

SerPheGlnCysIleGluValMetGlnAlaCysValAlaGluAspGlnLeuValValLys
1081 GTGGCAAAGCTCTGCTCTAGACGTGAACACTTGGATGATTGAATGGTTTCCGGATGTGGA
TrpGlnSerSerAlaLeuAspValAsnThrTrpMetIleGluTrpPheProAspValAsp
1141 CTCAGAGCCCACCACCCTTTCTGGGAATCTGTGTCTCAGGCCACGAACCTGGACGATCCA
SerGluProThrThrLeuSerTrpGluSerValSerGlnAlaThrAsnTrpThrIleGln
1201 GCAAGATAAAATTAACCTTTCTGGTGCTATAACATCTCTGTGTATCCAATGTTGCATGA
GlnAspLysLeuLysProPheTrpCysTyrAsnIleSerValTyrProMetLeuHisAsp
1261 CAAAGTTGGCGAGCCATATTCCATCCAGGCTTATGCCAAAGAAGGCGTTCCATCAGAAGG
LysValGlyGluProTyrSerIleGlnAlaTyrAlaLysGluGlyValProSerGluGly
1321 TCCTGAGACCAAGGTGGAGAACATTGGCGTGAAGACGGTCACGATCACATGGAAGAGAT
ProGluThrLysValGluAsnIleGlyValLysThrValThrIleThrTrpLysGluIle
1381 TCCAAGAGTGAGAGAAAGGGTATCATCTGCAACTACACCATCTTTTACCAAGCTGAAGG
ProLysSerGluArgLysGlyIleIleCysAsnTyrThrIlePheTyrGlnAlaGluGly
1441 TGGAAAAGGATTCTCCAAGACAGTCAATTCCAGCATCTTGCAAGTACGGCCTGGAGTCCCT
GlyLysGlyPheSerLysThrValAsnSerSerIleLeuGlnTyrGlyLeuGluSerLeu
1501 GAAACGAAAGACCTCTTACATTGTTCAAGTCATGGCCAGCACCAGTCTGGGGGAACCAA
LysArgLysThrSerTyrIleValGlnValMetAlaSerThrSerAlaGlyGlyThrAsn
1561 CGGGACCAGCATAAATTTCAAGACATTGTCATTCAAGTGTCTTTGAGATTATCCTCATAAC
GlyThrSerIleAsnPheLysThrLeuSerPheSerValPheGluIleIleLeuIleThr
1621 TTCTCTGATTGGTGGAGGCCTTCTTATTCTCATTATCCTGACAGTGGCATATGGTCTCAA
SerLeuIleGlyGlyGlyLeuLeuIleLeuIleIleLeuThrValAlaTyrGlyLeuLys
1681 AAAACCCAAACAAATTGACTCATCTGTGTTGGCCCACCGTTCCCAACCCTGCTGAAAGTAG
LysProAsnLysLeuThrHisLeuCysTrpProThrValProAsnProAlaGluSerSer
1741 TATAGCCACATGGCATGGAGATGATTCAAGGATAAGCTAAACCTGAAGGAGTCTGATGA
IleAlaThrTrpHisGlyAspAspPheLysAspLysLeuAsnLeuLysGluSerAspAsp
1801 CTCTGTGAACACAGAAGACAGGATCTTAAACCATGTTCCACCCCCAGTGACAAGTTGGT
SerValAsnThrGluAspArgIleLeuLysProCysSerThrProSerAspLysLeuVal
1861 GATTGACAAGTTGGTGGTGAACCTTTGGGAATGTTCTGCAAGAAATTTTCACAGATGAAGC
IleAspLysLeuValValAsnPheGlyAsnValLeuGlnGluIlePheThrAspGluAla
1921 CAGAACGGGTGAGGAAACAATTTAGGAGGGGAAAAGAATGGGACTAGAATTCTGTCTTC
ArgThrGlyGlnGluAsnAsnLeuGlyGlyGluLysAsnGlyThrArgIleLeuSerSer
1981 CTGCCCAACTTCAATATAAGTGTGGACTAAAATGCGAGAAAGGTGTCTGTGGTCTATGC
CysProThrSerIle*** (SEQ ID NO:17)
2041 AAATTAGAAAGGACATGCAGAGTTTTCCAACCTAGGAAGACTGAATCTGTGGCCCCAAGAG
2101 AACCATCTCCGAAGACTGG (SEQ ID NO:16)